M. A. R. 57 (Rule 116)
Measurement Book

No. B

Premeasurements:-

erial No. first | final bill:-

496751

ame of Work Improvements to roads From and drains in To Padma-lenk area in ward-7

ame of Contractor of nature of Agency byalaraya anapuva.

ate of commencement of work ↳ M|s. Nischal constructions

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Est cost:	15.00 lakhs.					
	Job code:-	007-17-00011					
	Head of account:-	P1771					
	A.S.NO:-	AS|CE|VNK|66|16-17; dt: 28.12.16					
	T.S.NO:-	TS|EE|BTP|85|16-17; dt: 28.12.16					
	Agr no:-	No. EE|BTP|Agr|56|17-18; dt: 06.05.19.					
	Work order:-	No. BBMP|EE|BTP|W0|56|17-18; dt: 06.05.19					
	Approved tender price:-	1392983.98					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
Item No.01:-	Prmeasurements recorded on: 27.5.19						
	earthwork excavation for buildings, water supply, sanitary lines.						
	Padmavathi area: 0-27	1.0	27.0	0.90	1.60	= 43.20	
	laxmi-Narayana temple road:						
	0-30	1.0	30.0	1.20	1.50	= 54.0	
	30-60	1.0	30.0	1.20	1.50	= 54.0	
	60-90	1.0	30.0	1.20	1.50	= 54.0	
	90-107	1.0	30.0	1.20	1.50	= 54.0	
	107-115	culvert					
	115-145	1.0	30.0	1.20	1.50	= 54.0	
	145-162	1.0	17.0	1.20	1.50	= 30.60	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496752

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
162-172	culvert					
172-202	1.0	30.0	1.20	1.50	= 54.0	
202-207	culvert					
207-223	1.0	16.0	1.20	1.50	= 28.80	
					384.30 cum	
	Qty Ltd	10.340.10 cum				

Assistant Executive Engineer
Rajajinagar Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Asstt. E.E.
AE(W)

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Item No 02:- Premeasurements recorded on: 07-06-19						
	Providing and laying in position plain cement concrete nominal mix 1:4:8 using 40mm.						
	Padma tent area: 0-27	1.0	27.0	0.90	0.15	= 3.65	
	laxmi-Narayana temple: 0-30	1.0	30.0	1.20	0.15	= 5.40	
	30-60	1.0	30.0	1.20	0.15	= 5.40	
	60-90	1.0	30.0	1.20	0.15	= 5.40	
	90-107	1.0	17.0	1.20	0.15	= 3.06	
	115-145	1.0	30.0	1.20	0.15	= 5.40	
	145-162	1.0	17.0	1.20	0.15	= 3.06	
						27.72	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496753

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
172-202	1.0	30.0	1.20	0.15	= 5.40	
207-223	1.0	16.0	1.20	0.15	= 2.88	
Patchwoorks	1.0	15.0	2.0	0.10	= 3.0	
	1.0	12.0	2.2	0.16	= 2.64	
					46.50 cum	
					45.29	
		Qty 4th-10: 45.67 cum				
		45.29				

Assistant Executive Engineer
Kadugodi Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 067

07/6/19

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	2km No 05:- Premeasurements recorded on:			12-6-19			
	Providing and fabricating TMT steel reinforcement						
	-ios RCC work.,						
	Cl.	No	L	No of rods	kg of bar	Total length 10mm	8mm
	0-27	01	27.0	305	2.0	600	-
		01	27.0	7.0	-	-	189
	Laxmi-Narayana-temple road:						
	0-30	01	30.0	345	2.0	690	-
		01	30.0	7.0	-	-	210
	30-60	01	30.0	345	2.0	690	-
		01	30.0	7.0	-	-	210

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496754

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
90-107	01X2	17.0	2.50	2.10	840	-
	01	17.0	7.0	-	-	119
115-145	01X2	30.0	345	2.50	1725	-
	01	30.0	7.0	-	-	210
145-162	01X2	17.0	190	2.50	950	-
	01	17.0	7.0	17.0	-	119
172-202	01	30.0	335	2.50	837.5	-
	01	30.0	7.0	-	-	210

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	
1	2	3	4	5	6	7	
	207-223	01	16.0	190	9.50	475	–
		01	16.0	7.0	–	–	112
						6807.50	1477
						= 4720.65 kg/cum	
						= 576.03 kg/cum	
						4796.68	= 4.79 tonne

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 008.39

AE(W)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496755

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Item No.06: – Premeasurements recorded on: 12-6-19						
Providing and removing centering, shuttering, strutting propping etc,						
RCC-Drain-Side-wall:						
Padmashali area: 0-27	1x4	27.0	-	0.90	= 97.20	
Lakmi-Narayana temple road:						
0-30	1x4	30.0	-	0.90	= 108.0	
30-60	1x4	30.0	-	0.90	= 108.0	
60-90	1x4	30.0	-	0.90	= 108.0	
90-107	1x4	17.0	-	0.90	= 61.20	
105-145	1x4	30.0	-	1.20	= 144.0	
					626.40	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents
1	2	3	4	5	6	7
	145-162	1×4	17·0	–	1·20	= 81·60
	177-202	1×4	30·0	–	1·20	= 144·0
	207-223	1×4	16·0	–	1·20	= 76·80
						728·80 Sqm

Asst. Executive Engineer
Rajajinagara Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 092

AE(M&E)

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496756

No. MAIN-BILL:-
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Item.No.01:- Earthwork excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m & above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m.						
Qty vide page no 496752 →			340·10 cum.			
At the rate of Rs. 78.17 →						26585·62

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	

Item No.04:- Providing and laying in position plain cement concrete
nominal mix 1:4:8 using 40mm and down size graded granite
metal machine mixed, concrete laid in layers not exceeding
15cms. th well compacted in foundation and plinth, including
cost of all materials, labour,

Qty vide page no. 496753 → 45.67 cum
At the rate of Rs. 4766.36 → 45.29

215888.0
217679

Item No.05:- Providing and fabricating TMT steel reinforcement for
RCC work including straightening, cutting, bending, hooking,
placing in position, lapping and or welding wherever required
tying with binding wire and anchoring to the adjoining

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496757

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
members wherever necessary complete as per design.						
Qty vide page no. 496754 →		499 tonne.				267125.75
At the rate of Rs. 55767.38 →						
Item No.06:- Providing and removing centering, shuttering, strutting, propping etc, and removal formwork for vertical surface such as walls at any thickness including attached pilasters, buttressed, plinth and string courses cost of all materials, labour complete,						
Qty vide page no 496755 →		928.80 sqm				267160.03
At the rate of Rs. 287.64 →						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Item No.04:- Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs with 10mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @0.459 cum with superplasticizer @3lts.,					
	RCC-drain: Bottom:					
	Padmadentarea: 0-27	1·0	27·0	0·90	0·10	= 2·43
	Temple Narayana 0-30	1·0	30·0	0·90	0·10	= 2·70
	temple road:					
	30-60	1·0	30·0	0·90	0·10	= 2·70
	60-90	1·0	30·0	0·90	0·10	= 2·70
	90-107	1·0	17·0	0·90	0·10	= 1·53
						12.06

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496758

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
f commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
					12·06	
115-145	1·0	30·0	0·90	0·10	= 2·70	
145-162	1·0	17·0	0·90	0·10	= 1·53	
172-202	1·0	30·0	0·90	0·10	= 2·70	
207-223	1·0	16·0	0·90	0·10	= 1·44	
Side-wall: 0-27	1×2	27·0	0·10	0·90	= 4·86	
0-30	1×2	30·0	0·10	0·90	= 5·40	
30-60	1×2	30·0	0·10	0·90	= 5·40	
60-90	1×2	30·0	0·10	0·90	= 5·40	
90-107	1×2	17·0	0·10	0·90	= 3·06	
					44.55	

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore - 560 092

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	C&F.C 115-145	1x2	30.0	0.15	1.20	= 10.80
	145-162	1x2	17.0	0.15	1.20	= 6.12
	21/11 172-202	1x2	30.0	0.15	1.20	= 10.80
	B.B. (W,SD) 223	1x2	16.0	0.15	1.20	= 5.76
						78.03 cum
			Qty Upto			73.74 cum
						42 36
	Assistant Executive Engineer Kodigehalli Sub Division Bangalore Mahanagara Palike Bruhat Bangalore - 560 092					
	Item No 10:- Providing and fixing 10 cms thick pre cast RCC					@ Rs. 5826.12 →
	covering slab using reinforced cement concrete M20 mix					
	with stone aggregate 20mm & down size including					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496759

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
centering shuttering reinforcement and bar bending machine mixed concrete						
laid in layers not exceeding 15 cm th.,						
Padmatent area:-	39	0.60	0.90	-	= 21.06 sqm	36346.00
					21.00	36367.64
At the rate of Rs. 1725.84 →						
Item No 03:- Providing and laying in position plain cement concrete of						
mix 1:2:4 with cement @ 7.6 kgs with 20mm and down size graded						
granite metal coarse aggregates @ 0.69 cum and fine aggregates						
@ 0.459 cum machine mixed concrete laid in layers not exceeding						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	15cms thick well compacted in foundation, plinth and cills including cost of all materials, labour,						
	Drain bottom correction 0.10	01	18.0	0.60	0.10	= 1.08	
	Qty Ltd to 0.90cum						
	At the rate of Rs. 5161.27 →						4645.14
Item No 07:-	Providing and laying in cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works 1:2:4 in 15cms thick layers and well compacted vibrating, curing						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496760

Material No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Finishing with necessary cement mortar, with all lead and lift etc, complete						
	Lakshmi-narayana temple drain bottom correction:	01	18.0	0.60	0.15	= 1.62	
	Patchwork:	01	15.0	2.0	0.15	= 4.50	
		01	12.0	2.20	0.15	= 3.96	
						10.08cum	
	At the rate of Rs. 5952.11 →					Take 10.00	59521.10

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.08:- Providing and constructing granite Trap basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms, high bond stones at two m apart in each course including cost of materials, labour, curing etc.,						
	Repairs to culvert wall 1x2	5.0	0.45	0.60	= 2.70	cum	
	Sidewall.						
	At the rate of Rs. 3248.64 →						8771.33
	Item No.09:- Providing ruled pointing of course stone masonry with cement mortar 1:3, 20mm deep after raking joints						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496761

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	to depth of 20mm nicely lining including cost of materials, labour curing etc, complete.,						
	Repairs to culvert wall Side-wall:	1x2	5.0	-	0.60	= 6.00 sqm	
	At the rate of Rs. 33.50 →						201.00
	Item No.11:- Providing and fixing 20cm th precast RCC covering slab						
	Near apartment	07	0.6	1.80	-	= 7.56 sqm	
	At the rate of Rs. 4804.34 →						36320.81

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 12:- loading and unloading charges,						
	Qty vide page no 496/956 →					30313.11	
	At the rate of Rs. 89.13 →						
			Grand total			1384184.28	

Cert

30/9/19

Assistant Executive Engineer
Kadugodi Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 067

For Nisolad Constructions

Proprietor

AE(Hqy)
30/9/19

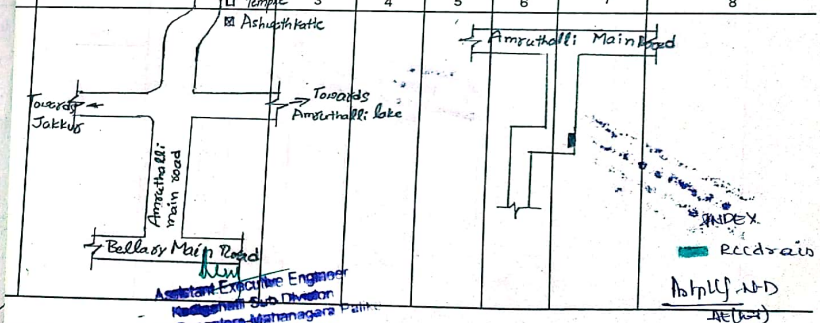
M. A. R. 57 (Rule 116)
Measurement Book

No. B

496762

rial No. ..... Varthenhalli lake
me of Work ..... Drainage Work From ..... To .....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8



Assistant Executive Engineer
Kadugodi Sub Division
Bangalore Mahanagara Palike
560 067

AE(Hqy)

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	Certificate:- 2	3	4	5	6	7	
	certified that ~~beneficiary~~ satisfactorily.	Contractor has done the				work	
	Initial ND AE(M)						

Assistant Executive Engineer
Rajagopal Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 002

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496765

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
		3	4	5	6	7	8
	1st & Final						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P-1771		ರಡಿ				
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 1292300 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.						
	ಇದರಲ್ಲಿ ರೂ. 83184-00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ						
	ಮಾಡಿಕೊಂಡು ರೂ. 1299116-00 ಗಳನ್ನು						
	FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ						
	ಸಹಾಯ ನಿರ್ವಾಹಕರು ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು		ಲೆಕ್ಕಶೀರ್ಷಿಕೆಯ ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು		ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು			
						BP-1 1292300-00	
						ಪಿಟಿ 28000-00	
						ಲೋಗ 12342-00	
						ಲೋಗ 12342-00	
						ಜಿಸ್ 1400-00	
						ಎಲ್. 1400-00	
						ಜಿಸ್ 5900-00	
						ಜೀವ 800-00	
						83184-00	
						1299116-00	

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